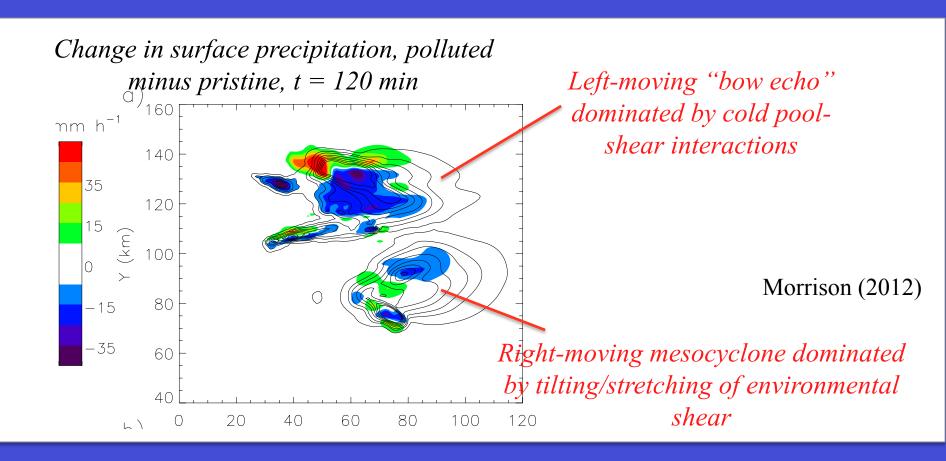
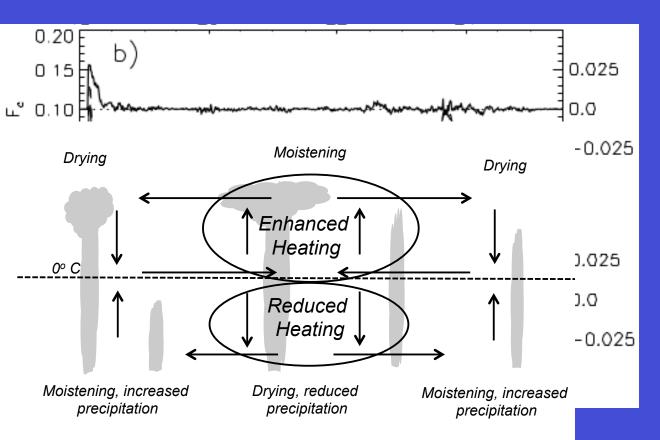
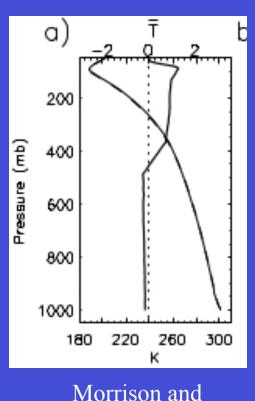
2 hr WRF supercell simulations, dx = 1 km



7.5 day "CRM" simulations of TWP-ICE to investigate multiscale aspects of aerosol impacts on deep convection

- Heating is applied locally in updrafts and cooling in downdrafts to mimic the aerosol invigoration effect on deep convection.
- Main conclusion: the aerosol invigoration effect on convection is intimately coupled with larger-scale dynamics through a 2-way feedback.





Grabowski (2013)